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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE


Inventor: Bertrand POIRIER
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Title: Fluid Flow Balancing System
Attorney Docket: 444/2

CERTIFICATE OF FACSIMILE TRANSMISSION

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Dated: August 9, 2005

Bruce E. Lilling


Applicant's Attorney

AMENDMENT AND RESPONSE TO NOTIFICATION
OF MISSING REQUIREMENTS

This paper is in response to the Notification mailed June 24, 2005.

Enclosed are the Inventor's Declaration and the Power of Attorney. The invention and this application have been assigned to Imperial Sheet Metal Ltd. and the assignment is in the process of being recorded.

There are only 3 independent claims in this application and no additional filing fee is required. Only Claims 1, 8 and 9 are independent claims. Claim 6 is dependent from Claim 1. As filed, however, there is a typographical error in Claim 6. It starts by saying "The apparatus of claim," but the claim number is missing, yet it is self apparent that this is intended as a dependent claim. Therefore, reference is made to the accompanying amendment, which just goes to the dependency of Claim 6.

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1. (Original) An apparatus for controlling a system which includes a fluid conduit network and at least two motors each drivingly engaged with different fluid movement devices, the apparatus comprising:
 - a) means for providing a speed signal representative of the speed of each motor;
 - b) means for providing a control signal in response to the speed of each motor;
 - c) means for controlling the speed of each motor in response to the control signal;and
wherein each motor speed is controlled for balancing the rate of fluid movement at an input point and an exit point of the system.
2. (Original) The apparatus of claim 1 wherein the means for providing a speed signal is a speed sensor.
3. (Original) The apparatus of claim 1 wherein the means for providing a control signal is a microprocessor.
4. (Original) The apparatus of claim 1 wherein the means for controlling the speed of each motor is a variable speed motor controller.
5. (Original) The apparatus of claim 1 wherein inputs means enable to increase or decrease the speed of the motors.
6. (Currently Amended) The apparatus of claim 1 wherein the inputs means are encompassed with the means for controlling the speed.
7. (Original) The apparatus of claim 5 where the input means are switches.

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8. (Original) A system for balancing the rate of fluid movement, wherein the system comprises:

- a) at least two motors, each in driving relationship with a respective fluid movement device;
- b) means for providing speed signals representative of the speed of each motor;
- c) a microprocessor, responsive to the speed signal, for generating control signals representative of a set of new speed signals; and
- d) variable speed motor controls for controlling the motor speeds in response to the control signals.

9. A method for controlling a system which includes a fluid conduit network and at least two motors each drivingly engaged with different fluid movement devices, the method comprising the steps of:

- a) sensing the speed signal representative of the speed of each motor in the system;
- b) generating, by the use of a microprocessor, control signals representing new desired speeds of each motor; and
- c) transmitting a command to each motor in response to the control signals, the command adjusting the motor speeds thereby balancing the rate of fluid movement at an input point and an exit point of the system.

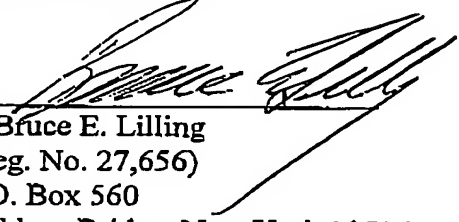
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Therefore, it is requested that the application be accepted for filing without any additional filing fee and that a Filing Receipt be issued.

Dated: August 9, 2005

Respectfully submitted,
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By


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